

Vegetables

Michigan growers produced 792,310 tons of fresh and processed vegetables in 2010. Harvested acreage was 105,500. Value of production totaled \$250 million. Nationally, Michigan ranked eighth and fifth, respectively for fresh market and processing vegetable value of production.

Michigan farmers produced 8.39 million hundredweight (cwt) of fresh market vegetables, a decrease of 8 percent from 2009. Processing vegetable production totaled 372,810 tons. Unseasonably warm temperatures early in the growing season provided vegetable growers with the occasion to prepare fields by laying plastic and planting some early season crops. Rain also aided growers with shaping beds and laying plastic. However, rain, cooler temperatures, and frost impeded crop development and field work in May. The weather began to change to seasonable temperatures in late May and continued through late August which aided vegetable growth. Warm and humid temperatures this summer contributed to insect and disease development. According to industry contacts, diseases were present in several vegetable crops. Growers began harvesting early planted fields of summer vegetables in mid-June. Harvest

activities continued until mid to late October for several crops including celery, tomatoes, and peppers. Industry contacts reported that vegetable growers were pleased with quality. Yields were not the best due to warmer, drier conditions. Yields could have been improved depending on irrigation. Harvest was earlier than normal due to a warm summer.

Michigan ranked third, behind California and Washington, for dual purpose asparagus production with 168,000 cwt produced, down 29 percent from last year's 235,000 cwt. Asparagus harvest was completed Michigan by late June due to the slow growth of the crop and frost damage early during the growing season. Despite the lower yields, growers reported the crop quality was good. Several hard frosts occurred early in the spring, and frost damage was above normal statewide. Cooler than normal temperatures in mid-May impacted emergence but recovered the following week leaving growers struggling to keep up with the harvest. Common asparagus beetle was present but not a severe problem during the growing season. Growers began applying postharvest herbicides and fertilizers in mid-June in Oceana County.

Vegetables: Record highs and lows

Crop	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Asparagus						
Harvested	1,000 acres	23.0	1989	1.0	1928	1928
Yield	Cwt	31	1947	9	1981	
Production	1,000 cwt	317	2003	17	1928	
Beans, snap (processing)						
Harvested	1,000 acres	27.0	1999	0.8	1921	1918
Yield	Tons	3.98	2010	0.60	1947	
Production	Tons	100,970	1999	600	1921	
Carrots (fresh market)						
Harvested	1,000 acres	7.7	1994	0.5	1929	1929
Yield	Cwt	398	1995	155	1957	
Production	1,000 cwt	2,610	1995	132	1936	
Celery						
Harvested	1,000 acres	7.2	1941	1.6	2005	1928
Yield	Cwt	575	2005	174	1935	
Production	1,000 cwt	1,915	1941	576	1966	
Corn, sweet (fresh market)						
Harvested	1,000 acres	15.2	1961	8.0	2005	1949
Yield	Cwt	110	2006,2009	42	1949	
Production	1,000 cwt	1,020	1994	525	1949	
Cucumbers (processing)						
Harvested	1,000 acres	46.3	1949	9.3	1932	1918
Yield	Tons	6.7	1987	0.6	1924	
Production	Tons	198,400	2010	8,900	1932	
Onions						
Harvested	1,000 acres	12.7	1935	2.9	2005	1928
Yield	Cwt	350	1960,2009	120	1935	
Production	1,000 cwt	2,833	1948	754	2005	
Tomatoes (fresh market)						
Harvested	1,000 acres	9.4	1943	1.8	2001	1928
Yield	Cwt	300	2009	60	1959	
Production	1,000 cwt	797	1943	204	1988	
Tomatoes (processing)						
Harvested	1,000 acres	9.7	1982	1.0	1921	1918
Yield	Tons	39.0	2009	2.7	1943	
Production	Tons	205,000	1982	5,000	1921	

Vegetables: Acres harvested and value of production, 2006-2010

Item	Unit	2006	2007 ¹	2008	2009	2010
Acres harvested	1,000 acres	113	115	105	107	106
Value of production	1,000 dollars	221,308	224,677	239,230	249,476	249,988

¹ Processing tomatoes excluded to avoid disclosure of individual operations.

Principal vegetables, fresh market: Acres, production, and value, 2006-2010

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</i>	<i>1,000 dollars</i>
2006	59,000	55,400	8,793	163,539
2007	59,300	56,000	8,347	156,949
2008	56,700	53,800	8,396	169,990
2009	57,500	54,500	9,100	171,540
2010	57,500	55,200	8,390	174,700

Principal vegetables, processing: Acres, production, and value, 2006-2010

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 dollars</i>
2006	59,000	57,200	413,970	57,769
2007	60,500	59,100	419,100	67,728
2008	52,700	51,600	413,350	69,240
2009 /1	53,500	52,400	386,280	77,936
2010 /1	50,300	49,300	372,810	75,288

¹ Processing carrots excluded to avoid disclosure of individual operations.

Vegetables, processing: Acres, production, and value, 2006-2010

Item and Year	Planted	Harvested	Yield	Production	Price per ton	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Carrots						
2006	2,700	2,600	23.00	59,800	74.00	4,425
2007	3,100	3,000	20.00	60,000	76.00	4,560
2008	2,800	2,700	25.00	67,500	88.00	5,940
2009 ¹						
2010 ¹						
Cucumbers						
2006	34,000	33,200	5.20	172,640	194.00	33,492
2007	35,500	35,000	5.30	185,500	230.00	42,665
2008	31,000	30,500	6.20	189,100	220.00	41,602
2009	33,000	32,500	5.80	188,500	260.00	49,010
2010	32,000	31,000	6.40	198,400	250.00	49,600
Snap beans						
2006	19,000	18,100	3.65	66,030	148.00	9,803
2007	18,500	17,800	3.45	61,400	169.00	10,405
2008	15,500	15,000	3.65	54,750	210.00	11,498
2009	17,000	16,500	3.95	65,180	220.00	14,340
2010	14,800	14,800	3.98	58,910	240.00	14,138
Tomatoes						
2006	3,300	3,300	35.00	115,500	87.00	10,049
2007	3,400	3,300	34.00	112,200	90.00	10,098
2008	3,400	3,400	30.00	102,000	100.00	10,200
2009	3,500	3,400	39.00	132,600	110.00	14,586
2010	3,500	3,500	33.00	115,500	100.00	11,550

¹ Estimates not published to avoid disclosure of individual operations.

Vegetables, fresh market: Acres, production, and value, 2006-2010

Item and year	Planted	Harvested	Yield	Production	Price per cwt	Value ¹
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Beans, snap						
2006	3,900	3,500	55	193	40.00	7,720
2007	3,400	3,100	40	124	65.00	8,060
2008	3,200	2,800	40	112	40.00	4,480
2009	3,200	3,100	50	155	40.00	6,200
2010	3,300	3,200	45	144	50.00	7,200
Cabbage						
2006	1,900	1,800	340	612	12.10	7,405
2007	2,500	2,400	320	768	15.00	11,520
2008	2,500	2,400	280	672	18.00	12,096
2009	2,700	2,600	260	676	15.00	10,140
2010	3,100	3,000	280	840	13.00	10,920
Carrots						
2006	2,800	2,400	320	768	18.00	13,824
2007	2,300	2,200	300	660	15.80	10,428
2008	2,400	2,300	290	667	19.20	12,806
2009	2,400	2,200	270	594	21.30	12,652
2010	2,100	1,900	250	475	23.00	10,925
Corn, sweet						
2006	9,200	8,500	110	935	18.00	16,830
2007	9,700	8,700	85	740	19.80	14,652
2008	9,000	8,500	85	723	23.50	16,991
2009	9,700	9,100	110	1,001	23.60	23,624
2010	10,000	9,400	100	940	24.70	23,218
Cucumbers						
2006	5,600	5,200	170	884	18.50	16,354
2007	5,000	4,900	175	858	17.90	15,358
2008	4,200	4,100	185	759	18.60	14,117
2009	4,400	4,300	225	968	19.20	18,586
2010	4,300	4,300	210	903	22.70	20,498
Onions						
2006	3,500	3,400	250	850	14.60	9,928
2007	3,900	3,800	260	988	11.10	8,747
2008	4,000	3,600	280	1,008	15.20	12,282
2009	4,000	3,800	350	1,330	13.50	14,310
2010	4,200	4,000	220	880	14.80	10,419
Tomatoes						
2006	2,000	2,000	230	460	50.00	23,000
2007	2,200	2,200	230	506	49.00	24,794
2008	2,200	2,100	260	546	45.00	24,570
2009	2,100	2,000	300	600	35.00	21,000
2010	2,000	2,000	200	400	54.00	21,600

¹ Value of sales for onions.

Vegetables, dual purpose: Acres, production, and value, 2006-2010

Item and year	Planted	Harvested	Yield	Production	Price per cwt	Value
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Asparagus						
2006	12,200	11,700	22	257	57.80	14,866
2007	12,100	11,600	21	244	66.00	16,092
2008	11,700	11,200	23	258	71.80	18,516
2009	11,200	10,700	22	235	70.40	16,553
2010	10,700	10,500	16	168	83.00	13,948
Celery						
2006	1,800	1,700	530	900	22.10	19,920
2007	2,000	1,900	490	931	13.20	12,334
2008	1,900	1,800	525	945	15.60	14,705
2009	2,000	1,900	555	1,055	14.10	14,898
2010	2,000	1,900	525	1,000	17.90	17,880
Peppers, bell						
2006	1,500	1,400	270	378	26.00	9,828
2007	1,500	1,500	260	390	33.00	12,870
2008	1,600	1,600	250	400	30.00	12,000
2009	1,700	1,600	240	384	30.00	11,520
2010	1,700	1,600	230	368	33.00	12,144
Pumpkins						
2006	6,200	5,700	150	855	11.00	9,405
2007	7,000	6,200	115	713	12.00	8,556
2008	7,100	6,800	145	986	15.50	15,283
2009	7,400	6,700	110	737	14.00	10,318
2010	7,400	6,800	140	952	14.50	13,804
Squash						
2006	8,400	8,100	210	1,701	8.50	14,459
2007	7,700	7,500	190	1,425	9.50	13,538
2008	6,900	6,600	200	1,320	9.20	12,144
2009	6,700	6,500	210	1,365	8.60	11,739
2010	6,700	6,600	200	1,320	9.20	12,144

U.S. Pickle stocks in tanks, barrels, and fresh pack, December 1, 2006-2010

Year	From current year crop			From previous year crop	Total stocks
	Salt stock including dill	Fresh pack	Refrigerated	Salt stock including dill	
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
2006	389,502	36,470	2,800	15,534	444,306
2007	332,011	32,795	2,850	9,076	376,732
2008	377,549	30,713	1,530	38,177	447,969
2009	133,895	25,490	2,230	27,910	189,525
2010	137,410	38,115	2,200	9,170	186,895